

## SUREPOWER LEGACY ICB FAULT LIST

LED COLOR	Indication	Action Required
<b>Solid Green</b>	Controller is ready to operate	Shade is operable
<b>Blinking Yellow</b>	Rocker Switch Fault or stuck relay	Troubleshooting needed
<b>Solid Yellow</b>	Low voltage (<9VDC)	Check power supply
<b>Solid Red</b>	Indicates shade hit something during movement	Calibration required
<b>Blinking Red</b>	Failed motor/encoder or wiring	Troubleshooting needed.

### ELECTRICAL FAULT – CONNECTION ISSUE:

Need to check all wire connections if receiving this fault code. Check all pins to deutch plugs as well as connection to both actuators/motors.

\*Version 4.0 will only flash **7 reds**.\*

\*Version 4.2 and later only for faults below.\*

<b>1 Red Blink</b>	Port Side Encoder Failure (could be faulty wiring and not encoder)
<b>2 Red Blinks</b>	Starboard Encoder Failure (could be faulty wiring and not encoder)
<b>3 Red Blinks</b>	Both Port and Starboard Encoders
<b>4 Red Blinks</b>	Port Motor Disconnected or Internal Failure
<b>5 Red Blinks</b>	Starboard Motor Disconnected or Internal Failure
<b>6 Red Blinks</b>	Both Port and Starboard Motors Disconnected or Internal Failure
<b>7 Red Blinks</b>	<b>Shade is Racked</b> – Calibration Required
<b>1 Yellow, 7 Red Blinks</b>	Shade is Racked due to Port Side – Calibration Required
<b>1 Yellow, 7 Red Blinks</b>	Shade is Racked due to Starboard Side – Calibration Required

If you are receiving a fault code of **4-12 YELLOW BLINKS** repeatedly at time of initialization, this indicates an internal failure and the controller will need to be replaced. Please fill out a service request form and a service coordinator will reach out within 24-48 hours of receipt of form.

## CALIBRATION OF CONTROLLER USING REMOTE KEY FOB

**STEP 1** Using the key FOB remote, press and hold buttons 1 and 2 simultaneously. Continue to press and hold the buttons for 15 seconds while observing the status LED. When you simultaneously press 1 & 2, the fob light should turn **SOLID BLUE** and the LED on control box should turn **SOLID RED**. If this does not occur, try depressing the number 2 button 1/10<sup>th</sup> of a second before the number 1 button.



**NOTE:** The status LED will begin to flash **YELLOW**.

**STEP 2** When this happens, release both buttons at the same time. At this point, you should be seeing one **YELLOW** flash.

**STEP 3** Adjust the port side actuator's home position to 1 inch by using button 1 or 2 on the key fob remote. Button 1 will extend the actuator and button 2 will retract it.

**STEP 4** Using the key fob remote, press buttons 1 and 2 simultaneously and release.

**NOTE:** The status LED should be showing two **YELLOW** flashes repeatedly.

**STEP 5** Adjust the starboard actuator to 1 inch using button 1 or 2 on the key FOB remote.



**STEP 6** Using the key fob remote, press buttons 1 and 2 simultaneously and release.

**NOTE:** The status LED should show three **YELLOW** flashes repeatedly.

**STEP 7** Perform this step only if you need to move both actuators simultaneously. Use button 1 or 2 on the key fob remote to extend or retract the actuators. If this step is not needed, simultaneously press and release buttons 1 and 2 to exit the calibration mode.

**NOTE:** The status LED should be **SOLID GREEN** if the calibration was successful.

If you are still experiencing issues after following this document, give us a call at (877) 333-8323.

